

WHAT IS CLAIMED IS:

1. An indexible turning tool comprising a tool body including a securing portion and a holder projecting from the securing portion, the holder provided with pockets receiving respective replaceable cutting inserts, the pockets arranged wherein indexing of the tool body about an indexing
5 axis brings one of the inserts into an operative cutting position, wherein one of the inserts has a main plane oriented laterally relative to a longitudinal center axis of the holder.

2. The indexible turning tool according to claim 1 wherein the main plane of the at least one insert forms an acute angle α with a perpendicular
10 reference plane oriented perpendicularly to the holder's center axis, wherein the angle α lies in a plane oriented generally tangentially relative to a radius of the holder.

3. The indexible turning tool according to claim 2 wherein the acute angle is in the range $-45^\circ \leq \alpha \leq +45^\circ$.

4. The indexible turning tool according to claim 1 wherein the at least
15 one insert forms an acute angle β with a perpendicular reference plane oriented perpendicularly to the holder's center axis, wherein the acute angle lies in a plane containing the holder's center axis.

5. The indexible turning tool according to claim 4 wherein the acute
20 angle is in the range $-45^\circ \leq \beta \leq +45^\circ$.

6. The indexible tool according to claim 1 wherein a plurality of the inserts have their respective main planes oriented laterally of the holder's center axis, and the one insert is offset from these plurality of inserts along the holder's center axis.

5 7. The indexible turning tool according to claim 6 wherein the one insert is offset from the plurality of inserts in a direction toward the securing portion.

10 8. The indexible turning tool according to claim 1 wherein at least an additional one of the inserts has its main plane oriented laterally relative to the holder's center axis, wherein the inserts whose main planes are oriented laterally of the holder's center axis are configured differently from one another.

15 9. The indexible turning tool according to claim 1 wherein a main plane of at least one of the inserts is oriented substantially parallel to the holder's center axis.

10. The indexible turning tool according to claim 1 wherein the inserts consist of three inserts spaced circumferentially about the holder's center axis.

20 11. The indexible turning tool according to claim 1 wherein respective radial spacings of the inserts from the holder's center axis are different from one another.

12. The indexible turning tool according to claim 1 wherein the inserts are indexible relative to the holder and relative to each other.

13. The indexible turning tool according to claim 1 wherein the holder's center axis is arranged eccentrically with respect to a center longitudinal axis of the securing portion.

5 14. The indexible turning tool according to claim 1 wherein the holder's center axis is coincides with a longitudinal center axis of the securing portion.